

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO038039	MES002-VC	1	1	COD	M304TS0.750W.049	304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH				1,000	10/20/2017	1,000		S001194	Stock	10/23/2017	\$ 3.80 / ft	0	3	\$3,800.00	Metaux Solutions	
		2	M304TS0.750W.065		304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH				600		600		S001195	Stock	10/23/2017	\$ 2.75 / ft	0	3	\$1,650.00	Metaux Solutions		
Total:										1,600		1,600									\$4,313.24	

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel. : 450 641-3330

Customer : 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Shipping Order

16/10/2017

Order : 129566
Reference : 38039
Ship : PICK UP / PICK UP

Ship To

Same

Tel. : 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SSQT34340494	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 SQ TUBE .750 X .049 WALL 50 x 20' ***** ht; <u>AKC040273</u> DAS 5 9-89	1000	1000	φ
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 30 x 20' ***** ht; <u>TBH041709</u> DAS 5 9-89	600	600	φ

ship journey collect
jp

SPR-10-23

Shipping : _____
Package No : _____

Ref. : _____

Merchandise Received: _____

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7

Tel.: 450 641-3330

Shipping Order

16/10/2017

Order : 129566
Reference : 38039
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SSQT34340494	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 304 SQ TUBE .750 X .049 WALL 50 x 20' ***** ht: AKE 040273	1000	1000	Ø
SSQT34340654	TUBE SS304 180 GRIT 3/4" X 3/4" X .065" 30 x 20' ***** ht: TBH 041709	600	600	Ø

ship journey collect

jp

Shipping : _____

Package No : _____

Ref. : _____

Merchandise Received: _____



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038039

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO038039

PO Date: 10/16/17

Due Date: 10/20/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

E-MAILED
OCT 16 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: COD

Freight Terms:

Special Comments:

Items

Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304TS0.750W.049	-			304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH		Firmed	10/20/17	1,000 ft	0 ft 1000	1,000 ft	\$3.80/ft	\$3,800.00
2	M304TS0.750W.065	-			304 Sq Tube .75X.75X.065W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH		Firmed	10/20/17	600 ft	0 ft 600 ft	600 ft	\$2.75/ft	\$1,650.00
												Grand Total:	\$5,450.00

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Kingmaker Steel Co., Inc.

Stainless Steel Tube and Pipe

133 Belmont Drive, Somerset, NJ 08873-1203
Tel.: (732) 302-1800, Fax: (732) 302-1822

Date: 6/20/2017
Invoice No: KM2017/1426
Purchase P008120
Order No:
Sold To:

Material Certification

ISO 9001:2015
ISO 14001:2004
EN 10204/3.1B

Ship To:

Stainless Steel T.I.G. Welded Tubing.

Country of Melt: Taiwan, Country of Origin: Taiwan.

Item	Description	Heat No.	Finish	Specification	Grade
1:	3/4" SQ X 0.049"W X 20'	DA5 AKE040273	MF	ASTM A554-16	MT-304
2:		9-89			
3:					
4:					
5:					

CHEMICAL PROPERTIES

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>P</u>	<u>S</u>	<u>Cr</u>	<u>Ni</u>	<u>Mo</u>	<u>N</u>	<u>Cu</u>
1:	.040	.510	1.08	.029	.014	18.10	8.14			
2:										
3:										
4:										
5:										

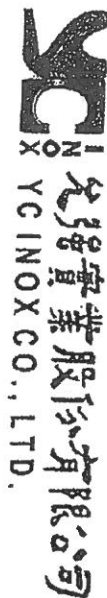
MECHANICAL PROPERTIES

	<u>Tensile</u> (N/mm2)	<u>Yield</u> (N/mm2)	<u>Elong.</u> (%)	<u>Hardness</u> (HRB)	<u>Flattening</u>	<u>Hydrostatic</u>	<u>Eddy</u> <u>Current</u>
1:	673.00	235.00	46.00	82.80			
2:							
3:							
4:							
5:							

WE HEREBY CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, THE MATERIAL LISTED ABOVE HAS BEEN MANUFACTURED IN ACCORDANCE WITH AND MEET THE ABOVE APPLICABLE SPECIFICATIONS AND GRADES, AND ALSO THAT THE MATERIAL WAS PRODUCED IN A MERCURY FREE ENVIRONMENT. THE CHEMICAL COMPOSITIONS OF THE MATERIAL ARE IN ACCORDANCE WITH ASTM A240.

1400071

006744



YOUNG CHANG INOX CO., LTD.

檢驗證明書

INSPECTION CERTIFICATE

524彰化縣溪州鄉中山路四段270號
No. 270 Sec. 4, Jungshan Rd., Shijou Shiang,
Chang-Hwa, Taiwan, R.O.C
http://www.ycinnox.com
TEL : +886-4-8899666 FAX : +886-4-8899770



客戶名稱 Customer		客戶編號 Customer No.	FC027	證明書編號 Certificate No.	170615P0017
產品名稱 Product	STAINLESS STEEL WELDED TUBE	商業發票號碼 Commercial Invoice No.	J17050350	證明書日期 Date of Issue	2017/06/14
規格名稱 Specification	ASTM A554-16	客戶採購單號 PO No.	P007499	訂購編號 Order No.	EP17040026-1
鋼種 Steel Grade	MT-304	採購單編號 Weight No.	C17060050	P.I.號碼 P.I.NO.	P1704-009

項目 Item No.	爐號 Heat No.	Product Description	尺寸 Dimension	數量 Quantity Pcs	表面 Finish	化學成份(%) Chemical Composition										拉伸試驗 Tension Test			0.1 硬度 HRB
						C	Si	Mn	P	S	Ni	Cr	0.2%YS	MPa	屈服 T.S.	伸長率 E.L.			
Specification																			
1	7	3/4"(19mm)x3/4"(19mm) x 0.065"(1.65mm) x 20'-1"		75	GR1 180	47	48	87	32	3	810	1813	320	664	50	86			
2	2	1"(25.4mm)x1"(25.4mm) x 0.065"(1.65mm) x 20'-1"		70	GR1 180	43	49	88	36	3	804	1823	308	656	52	83			
3	3	1 1/4"(31.8mm)x1 1/4"(31.8mm) x 0.065"(1.65mm) x 20'-1"		80	GR1 180	43	51	89	34	3	807	1816	318	703	55	85			
4	4	1 1/4"(31.8mm)x1 1/4"(31.8mm) x 0.065"(1.65mm) x 20'-1"		75	GR1 180	62	52	86	29	3	812	1815	318	668	52	84			
5	5	1 1/4"(31.8mm)x1 1/4"(31.8mm) x 0.127"(3.25mm) x 20'-1"		50	GR1 180	47	47	93	34	4	813	1818	287	629	54	84			
6	6	2"(50.8mm)x2"(50.8mm) x 0.127"(3.25mm) x 20'-1"		75	GR1 180	50	47	89	32	4	804	1817	323	688	53	89			
7	7	2"(50.8mm)x2"(50.8mm) x 0.127"(3.25mm) x 20'-1"		25	GR1 180	18	42	156	33	2	820	1834	301	661	54	87			
TOTAL:				450															
附註 Remark																			
工程圖																			

This certificate complies to 3.1/EN 10204:2004.

註解 Note

*V1= Hardness Test
Gauge Length: 50mm

1MPa=1N/mm², 10bar=145psi=10.2Kgf/cm²

Visual Inspection(Surface) and Dimension Check : OK

1.ISO 9001:2008 (No.01 100 056239)
2.PEN / AD2000 (No.01 202 TWW/O.05 0705)
3.ISO 14001:2004 (No.01 104 822 096385)
4.OHSAS 18001:2007 (No.01 113 822 096385)

Manager of Quality Assurance Department

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304+50.750W.049
 DATE: OCT 23 2017

PO / BATCH NO.: PO 038039/S001194

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 1000'
 QUANTITY INSPECTED: 1000'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM A554
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	H# AKE040273
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	DAS 5	SIGNED OFF BY: _____	
DATE: <u>OCT 23 2017</u>	9-89	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

DAS

FINISH: ASTM A554 MILL FINISH
OR ASTM A269 MILL FINISH

9-89

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS | A.AAA | W | .TTT
| WIDTH | WALL |

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W 049

RELEASED
R 2014-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)	DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING	AJS	09.10.18
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).	AJS	08.08.28
A	NEW ISSUE	DS	01.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DB		
CHECKED	DB		
MFG. APPR.	DRAWING NO. M304TS		REV. D
APPROVED	TITLE		SHEET 1 OF 1
DE APPR.	304/316 SQUARE TUBING		SCALE
DATE	14.05.20		NONE

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304+50.750W.065
 DATE: OCT 23 2017

PO / BATCH NO.: PO 38039/S001195

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 600'
 QUANTITY INSPECTED: 600'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>(N)</u>	
CORRECT FINISH	<u>(Y)</u>	N	
CORROSION	Y	<u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u>	N	<u>ASTM A554</u>
CORRECT THICKNESS	<u>(Y)</u>	N	
PHOTO REQUIRED	Y	<u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	<u>Ht# + B# 041709</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u>	N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____ DATE: <u>OCT 23 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBING

DAS

FINISH: ASTM A564 MILL FINISH
OR ASTM A269 MILL FINISH

5
9-89

WHERE: A.AAA = WIDTH IN INCHES
.TTT = WALL THICKNESS IN INCHES

PART NUMBER: M304TS|A.AAA|W|.TTT

WIDTH WALL

PART NUMBER: EG. 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049

RELEASED
R 2014-05-26

D	"SEAMLESS" REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCR14-3818)				DB	14.05.20
C	"SEAMLESS" ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1/2" TUBING				AJS	08.10.18
B	DRAWING MOVED TO "B" SIZE BORDER. FINISH ADDED (SEE NCR 08-045 FOR DETAILS).				AJS	08.08.28
A	NEW ISSUE				DS	01.08.08
REV.	DESCRIPTION				BY	DATE
DESIGN	DS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA				
DRAWN	DB					
CHECKED	DB					
MFG. APPR.	DB					
APPROVED	DB					
DE APPR.	DB	DRAWING NO. M304TS				REV. D
DATE	14.05.20	TITLE 304/316 SQUARE TUBING				SHEET 1 OF 1
					SCALE NONE	
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